bs-3154R **[Primary Antibody]**

phospho-c-Fos (Thr325) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2353 **SWISS:** P01100

Target: c-Fos (Thr325)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human c-Fos around the phosphorylation site of Thr325: LC(p-T)PV.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq, Jul 2008].

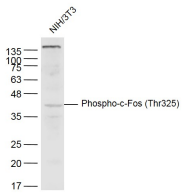
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg /Test)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Chicken, Dog)

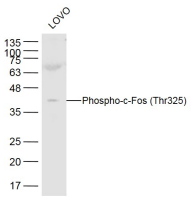
Predicted MW.: 41 kDa

Subcellular Location: Cytoplasm ,Nucleus

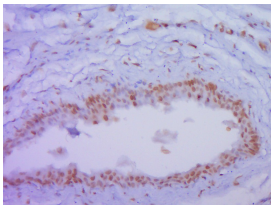
VALIDATION IMAGES



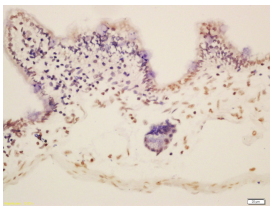
Sample: NIH/3T3(Mouse) Cell Lysate at 40 ug Primary: Anti-Phospho-c-Fos (Thr325) (bs-3154R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD



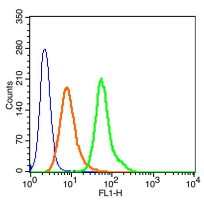
Sample: LOVO(Human) Cell Lysate at 40 ug Primary: Anti-Phospho-c-Fos (Thr325) (bs-3154R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD



Paraformaldehyde-fixed, paraffin embedded (Rat urinary bladder); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (P-c-Fos (Thr325)) Polyclonal Antibody, Unconjugated (bs-3154R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat



Blank control(blue): 293T(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice). Primary Antibody: Rabbit Anti-Phospho-c-Fos (Thr325)/AF488 Conjugated antibody (bs-3154R /AF488), Dilution: 1μg in 100

serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-c-Fos (Thr325) Polyclonal Antibody, Unconjugated(bs-3154R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/FITC(orange) ,used under the same conditions.

SELECTED CITATIONS

- **[IF=8.8]** Ya-Ru Huang. et al. ArhGAP11A mediates amyloid-β generation and neuropathology in an Alzheimer's disease-like mouse model. CELL REP. 2023 Jun 9;42(6):112624 WB,IHC ;Mouse. 37302068
- **[IF=7.9]** Lujuan He. et al. The role of BDNF transcription in the antidepressant-like effects of 18β-glycyrrhetinic acid in a chronic social defeat stress model. PHYTOMEDICINE. 2023 Dec;:155332 WB ;Mouse. 10.1016/j.phymed.2023.155332
- **[IF=6.551]** Mei Ha. et al. PKCα mediated by the PI3K/Akt-FOXA1 cascade facilitates cypermethrin-induced hyperthyroidism. Sci Total Environ. 2021 Feb;757:143727 WB ;Rat. 33250241
- **[IF=5.22]** Tavares, Raquel, and Sushil Kumar Pathak. "Helicobacter pylori Secreted Protein HP1286 Triggers Apoptosis in Macrophages via TNF-Independent and ERK MAPK-Dependent Pathways." Frontiers in Cellular and Infection Microbiology 7 (2017): 58. WB ;="Human". 28293545
- **[IF=3.362]** Zheng N et al. Chlamydia pneumoniae infection promotes vascular smooth muscle cell migration via c-Fos/interleukin-17C signaling. International Journal of Medical Microbiology,2019, 151340. WB ;Rat. doi:10.1016/j.ijmm.2019.151340